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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q79912

Takeshi NAGAHORI, et al.

Appln. No.: 10/777,676

Group Art Unit: 2816

Confirmation No.: 5875

Examiner: Unknown

Filed: February 13, 2004

For: ACTIVE HYBRID TRANSFORMER CIRCUIT HAVING A REPLICA DRIVER

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Unexamined Patent Application Publication No. H04-54718, published February 21, 1992.
2. Japanese Unexamined Patent Application Publication No. H04-158637, published June 1, 1992.
3. Roo et al., "A CMOS Transceiver Analog Front-End for Gigabit Ethernet over CAT-5 Cables", 2001 IEEE International Solid State Circuit Conference, February 7, 2001 pages 310-311.

One copy of each of the listed documents is submitted herewith.

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 10/777,676

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant states that above references 1-3 are discussed within the specification beginning at page 1, lines 14 and 21, and page 2, line 15, respectively.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

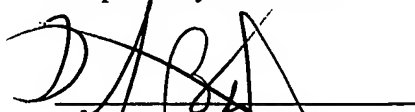
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Respectfully submitted,

  
Howard L. Bernstein  
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Date: August 13, 2004

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

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**Complete if Known**

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/777,676        |
| Confirmation Number    | 5875              |
| Filing Date            | February 13, 2004 |
| First Named Inventor   | Takeshi NAGAHORI  |
| Art Unit               | 2816              |
| Examiner Name          | Unknown           |
| Attorney Docket Number | Q79912            |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document      |                     |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Translation <sup>6</sup> |
|-----------------------|--------------------------|------------------------------|---------------------|--------------------------------------|--------------------------------|--|--------------------------|
|                       |                          | Country<br>Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |                                |  |                          |
|                       |                          | JP                           | H04-54718           | A                                    | 02-21-1992                     | Nippon Electric Co.                                | ABS                      |
|                       |                          | JP                           | H04-158637          | A                                    | 06-01-1992                     | NEC Corp.  | ABS                      |
|                       |                          |                              |                     |                                      |                                |  |                          |
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**NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation <sup>6</sup> |
|-----------------------|--------------------------|--|--------------------------|
|                       |                          | Roo et al., "A CMOS Transceiver Analog Front-End for Gigabit Ethernet over CAT-5 Cables", 2001 IEEE International Solid State Circuit Conference, February 7, 2001 pages 310-311.  |                          |
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| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.